

Chemistry and Metallurgy Research Replacement (CMRR)

The Chemistry and Metallurgy Research (CMR) building is one of the oldest and largest buildings at LANL

- Opened in 1952
- 550,000 square feet

The CMRR facility would house analytical chemistry and materials characterization (AC/MC) capabilities that support core LANL programs

- *Nuclear Materials Handling, Processing and Fabrication*
- *Materials and Manufacturing Technologies*
- *Nonproliferation Programs*
- *Waste Management Activities*
- *Stockpile Stewardship*
 - *Reduce the nuclear danger by ensuring that the Nation's existing nuclear weapons stockpile is safe, secure, and reliable*



Initially the CMR building consisted of an administrative wing and six laboratory wings with labs designed for actinide materials science and analytical chemistry, and unique capabilities for working with actinide metals. In 1959 a seventh laboratory wing was added with heavily shielded hot cell facilities with remote-handling capabilities.



The primary goal of CMRR is to ensure continuation of mission-critical capabilities currently located at CMR that would soon be lost

Replacing the CMR building would:

- *Reduce operating and security costs*
- *Provide state-of-the-art infrastructure and workspace*
- *Enhance environmental, safety, health, and security features*

CMRR would provide the responsive infrastructure necessary to sustain nuclear programs at LANL and support the Nation's nuclear weapons complex